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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/726,043	12/01/2003	Chuan De Huang		2658

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WEI TE CHUNG
FOXCONN INTERNATIONAL, INC.
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EXAMINER

NGUYEN, SANG H

ART UNIT PAPER NUMBER

2877

DATE MAILED: 03/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

20

Office Action Summary	Application No.		Applicant(s)	
	10/726,043		HUANG, CHUAN DE	
	Examiner		Art Unit	
	Sang Nguyen		2877	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-13 and 15-19 is/are rejected.
- 7) ☒ Claim(s) 6 and 14 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>12/01/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 12/01/03 has been entered. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Oath/Declaration

The oath/declaration filed on 12/01/03 is acceptable.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

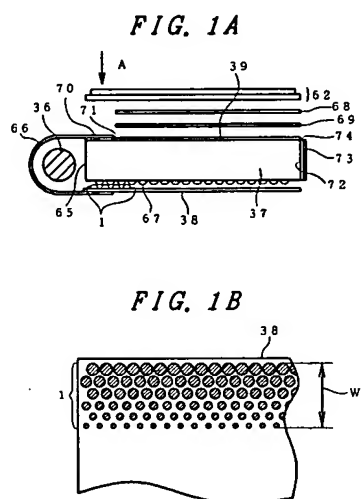
Claims 1-2, 7, 9-10, 15, and 18-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mashino et al (U.S. Patent No. 5,886,759) in view of Fukuda et al (U.S. Patent No. 5,898,166).

Regarding claims 1, 9 and 18; Mashino et al discloses a method and combination, comprising:

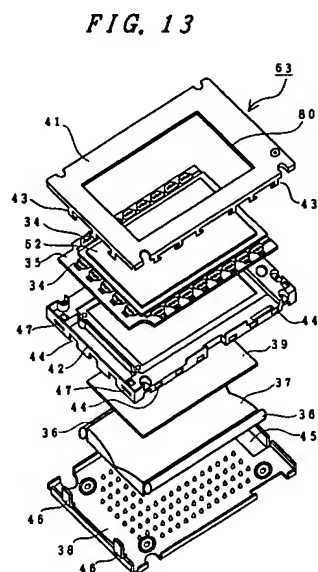
a liquid crystal display device (figure 1) having a light guide plate (37 of figure 1) defining a plurality of dots (67 of figure 1) on one surface of the light guide plate (37 of

figure 1) and a location device considered to be a reflective sheet (38 of figure 1) defining a plurality of reference points considered to be a plurality of color gray dots (1 of figure 1 or figure 13) marked thereon and position opposite to the surface of said light guide plate (37 of figure 1). See figures 1-18.

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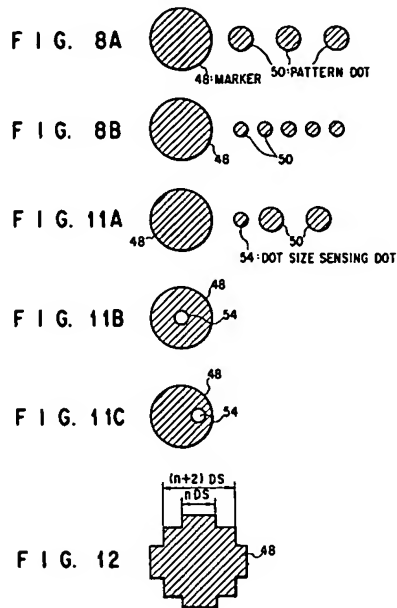
U.S. Patent Mar. 23, 1999 Sheet 8 of 11 5,886,759



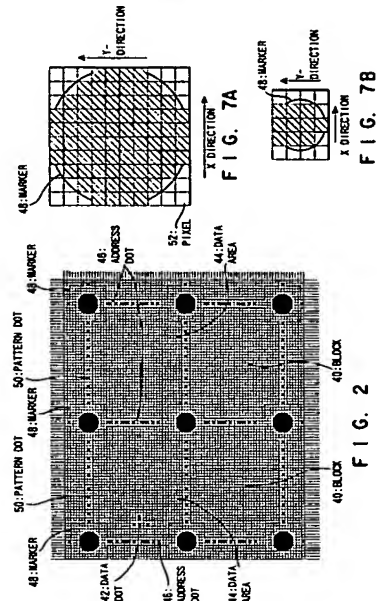
Mashino et al discloses all of features of claimed invention except for a measurement instrument for measuring gauges distance among the dots with reference to the reference points or gauging distances between the dots. However, Fukuda et al teaches that it is known in the art to provide a measurement instrument (figures 10-15) for measuring gauges distance among the dots (50 of figure 2) with reference to the reference points considered to be marker or gauging distances between the dots (48 of

figure 2 and col.4 lines 55-61, col.8 lines 1-20, col.15 line 24 to col.16 line12), and col.23 lines 12-20). See figures 1-22.

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Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine method and combination of Mashino et al with a measurement instrument for measuring gauges distance among the dots with reference to the reference points or gauging distances between the dots as taught by Fukuda et al for the purpose of narrowing the search range not only shorten the seaching time, but also reduces the number of faulty marker sensed in the range due to dust or noise.

Regarding claims 2, 7, 10, and 15; Mashino et al discloses the reference points are marked in a regular array considered to be a plurality of color gray dots (1 of figure 1 or figure 13).

Regarding claim 19; Mashino et al discloses a pattern of the reference point (1 of figure 1A) is different from the pattern dots (67 of figure 1A). See figures 1A-1B.

Claims 3-5 and 11-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mashino et al in view of Fukuda et al as applied to claims 1 and 9-10 above, and further in view of Suga et al (U.S. Patent No. 6,425,673).

Regarding claims 3-5 and 11-13; Mashino et al in view of Fukuda et al discloses all of features of claimed invention except for the sheet comprise a plastic, a polyester, or polyethylene terephthalate. However, Suga et al teaches that it is known in the art to provide the sheet comprise a plastic, a polyester, or polyethylene terephthalate (col.7 lines 28-34, col.12 lines 35-40, col.15 line 64-col.16 line 5). It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine method and combination of Mashino et al with the sheet comprise a plastic, a polyester, or polyethylene terephthalate as taught Suga et al for the purpose of controlling or adjusting light emitted and returned accurately with high reflectivity at its surface.

Claims 8 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mashino et al in view of Fukuda et al as applied to claims 1 and 9 above, and further in view of Ide et al (U.S. Patent No. 6,865,325).

Regarding claims 8 and 16; Mashino et al in view of Fukuda et al discloses all of features of claimed invention except for the reference points are marked with numbers. However, Ide et al teaches that it is known in the art to provide the reference points are marked with numbers (figure 4A-4C). It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine method and combination of Mashino et al with he reference points are marked with numbers as taught Ide et al for the purpose of improving discrete pattern with number with high quality image.

Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mashino et al in view of Fukuda et al as applied to claim 18 above, and further in view of Samworth (U.S. Patent No. 6,310,698).

Regarding claim 17; Mashino et al in view of Fukuda et al discloses all of features of claimed invention except for the measuring instrument is a microscope. However, Samworth teaches that it is known in the art to provide the measuring instrument is a microscope(col.6 lines 40-52). It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine method and combination of Mashino et al with the measuring instrument is a microscope as taught Samworth for the purpose of achieving the calibration of image reproducing system using the linear change in the dots forming different values of the gray scale in a haftone system (col.8 lines 20-23).

Allowable Subject Matter

Claims 6 and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

As claims 6 and 14 are allowed over the prior art of record, taken alone or in combination, fails discloses or render a method and in combination comprising all the specific elements with the specific combination including of a distribution density of the reference points is lower than a distribution density of the pattern-dots in combination with set forth of claims 6 and 14.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shaw et al (6677294) discloses cleansing compositions; Chino et al (6642975) transfer apparatus; Arakawa et al (6559911) discloses polarization light splitting film, backlight system; Kobo et al (6456279) discloses liquid crystal display device with a touch panel; Watanabe et al (5394308) discloses lighting apparatus having asymmetric light intensity; or Johnson et al (5442482) discloses microlens screens.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sang Nguyen whose telephone number is (571) 272-2425. The examiner can normally be reached on 9:30 am to 7:00 pm.

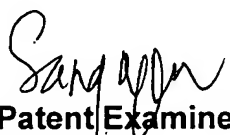
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr. can be reached on (571) 272-2800 ext. 77. The fax

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phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 24, 2006
SN


Patent Examiner
Sang Nguyen
Art Unit 2877